

WHAT IS CLAIMED IS:

1. A mechanical fastening system for an article, comprising:
a first fastening component mountable on the article, the first fastening component being a stretchable loop material being made of a neck-stretched bonded laminate material with multi-directional stretch; and
5 a second fastening component mountable on the article so as to be engageable with the first fastening component, the second fastening component being made of a hook material;
whereby when the second fastening component is juxtaposed and engaged with at least a portion of the first fastening component, the first fastening
10 component is stretchable during limited movement of the first fastening component relative to the second fastening component.
2. The mechanical fastening system of claim 1 wherein the loop material is a non-woven material with cross machine direction elongation and is attached as a facing in a stretch bonded laminate to produce a two way stretch laminate.
3. The mechanical fastening system of claim 2 wherein the loop material is made by stretching the non-woven facing material in a machine direction so as to neck down in the cross machine direction and then attaching the facing material to
5 an elastic base material stretched in the machine direction so that the laminate gathers in the machine direction.
4. A mechanical fastening system for a garment, comprising:
a first fastening component on the garment, the first fastening component being made of a neck-stretched bonded laminate material with multi-directional stretch; and
5 a second fastening component disposed on the garment, the second fastening component being made of a hook material;

whereby when the second fastening component is juxtaposed and engaged with at least a portion of the first fastening component, the first fastening component is stretchable during movement of a wearer of the garment.

5. The mechanical fastening system of claim 4 wherein the loop material is a non-woven material with cross machine direction elongation and is attached as a facing in a stretch bonded laminate to produce a two way stretch laminate.

6. The mechanical fastening system of claim 5 wherein the loop material is made by stretching the non-woven facing material in a machine direction so as to neck down in the cross machine direction and then attaching the facing material to an elastic base material stretched in the machine direction so that the laminate gathers in the machine direction.

7. A mechanical fastening system for a disposable absorbent article, comprising:

a first fastening component disposed on a disposable absorbent article, the first fastening component comprising a multi-directional stretchable nonwoven loop material, and

a second fastening component disposed on the disposable absorbent article, the second fastening component comprising a hook material.

8. The mechanical fastening system of claim 7, wherein the multi-directional stretchable nonwoven loop material comprises a generally ungathered nonwoven web stretch-bonded to a multi-directional stretch elastomeric substrate.

9. The mechanical fastening system of claim 7, wherein the multi-directional stretchable nonwoven loop material comprises a pregathered nonwoven web stretch-bonded to an elastomeric substrate.

10. A disposable absorbent article for personal wear, said disposable article comprising:

5 a body having first and second end regions each having longitudinal edges, the body also having an inner layer for contact with the wearer's skin, at least a portion of the inner layer being liquid permeable, an outer layer in opposed relation with the inner layer and an absorbent layer disposed between the inner layer and the outer layer;

a mechanical fastening system positioned on the body including:

10 a first fastening component on the body adjacent each longitudinal edge of the first end region, the first fastening component being a stretchable loop material made of a neck-stretched bonded laminate material with multi-directional stretch; and

15 a second fastening component disposed on the body adjacent each longitudinal edge of the second end region, the second fastening component being made of a hook material;

whereby when the second fastening component is juxtaposed and engaged with at least a portion of the first fastening component, when placed on the body of a wearer the loop material is stretchable during movement of the wearer.

11. The disposable absorbent article for personal wear of claim 10 wherein the loop material is a non-woven material with cross machine direction elongation and is attached as a facing in a stretch bonded laminate to produce a two way stretch laminate.

5

10038818-100404

12. The disposable absorbent article for personal wear of claim 11 wherein the loop material is made by stretching the non-woven facing material in a machine direction so as to neck down in the cross machine direction and then attaching the facing material to an elastic base material stretched in the machine direction so that the laminate gathers in the machine direction.

13. A disposable absorbent article for personal wear, comprising:
a body having first and second end regions and comprising a liquid permeable inner layer for contact with the wearer's skin, an outer layer in opposed relation with the inner layer, and an absorbent layer disposed between the inner layer and the outer layer; and

a mechanical fastening system adapted to refastenably secure the body in a pant configuration, the mechanical fastening system comprising first and second fastening components disposed in the respective first and second end regions, the first fastening component comprising a multi-directional stretchable nonwoven loop material, and the second fastening component comprising a hook material.

14. A method of making a mechanical fastening system, comprising gathering a nonwoven web in one or more directions, laminating the gathered nonwoven web to an elastic substrate while the elastic substrate is elongated in one or more directions, and disposing the multi-directional stretchable loop material on a disposable absorbent article.

15. The method of claim 14, wherein the elastic substrate is elongated in a direction substantially perpendicular to the direction of gathering.

16. A method of making a mechanical fastening system, comprising elongating an elastic substrate in at least two directions, bonding a nonwoven web to the elongated elastic substrate to form a multi-directional stretchable loop material, and disposing the multi-directional stretchable loop material on a disposable absorbent article.

17. A method of making a mechanical fastening system, comprising drawing a nonwoven web using an applied force in one direction to align constituent fibers of the nonwoven web and to neck the nonwoven web in a direction perpendicular to the direction of the applied force, laminating the necked nonwoven web to an elastic substrate while the elastic substrate is elongated in a direction substantially perpendicular to the direction of necking to form a multi-directional stretchable loop material, and disposing the multi-directional stretchable loop material on a disposable absorbent article.

18. A method of making a mechanical fastening system, comprising creping a nonwoven web in one direction to provide extensibility in that direction, laminating the creped nonwoven web to an elastic substrate while the elastic substrate is elongated in a direction substantially perpendicular to the direction of creping to form a multi-directional stretchable loop material, and disposing the multi-directional stretchable loop material on a disposable absorbent article.